

What is claimed is:

1. An electrical adapter comprising:

an inside AC connector including ground, first, and second pins;
an outside AC connector including ground, first, and second slots, wherein said
ground slot is electrically connected to said ground pin, said first slot is electrically
connected to said first pin, and said second slot is electrically connected to said second
pin; and
a ground wire electrically connected to said ground pin and said ground slot;
wherein said ground wire is configured to connect to a chassis; also
wherein said electrical adapter is configured to connect to said chassis allowing
movement in at least one axis.

2. The electrical adapter recited in claim 1, further comprising:

an EMI gasket surrounding said inside AC connector, configured to seal a
connection between said inside AC connector and a power supply connected to said
inside AC connector.

3. The electrical adapter recited in claim 1:

wherein said first pin is a hot pin;
wherein said first slot is a hot slot;
wherein said second pin is a neutral pin; and
wherein said second slot is a neutral slot.

4. The electrical adapter recited in claim 1:

2 wherein said inside AC connector is an IEC 320 (as of January 1, 2002) 20 amp
plug; and

4 wherein said outside AC connector is an IEC 320 (as of January 1, 2002) 20 amp
receptacle.

6
5. An electrical adapter comprising:

2 an inside AC connector including ground, first, and second slots;

an outside AC connector including ground, first, and second pins, wherein said
4 ground pin is electrically connected to said ground slot, said first pin is electrically
connected to said first slot, and said second pin is electrically connected to said second
6 slot; and

a ground wire electrically connected to said ground pin and said ground slot;

8 wherein said ground wire is configured to connect to a chassis; also

wherein said electrical adapter is configured to connect to said chassis allowing
10 movement in at least one axis.

6. The electrical adapter recited in claim 5, further comprising:

2 an EMI gasket surrounding said inside AC connector, configured to seal a
connection between said inside AC connector and a power supply connected to said
4 inside AC connector.

7. The electrical adapter recited in claim 5:

2 wherein said first pin is a hot pin;

wherein said first slot is a hot slot;

4 wherein said second pin is a neutral pin; and

wherein said second slot is a neutral slot.

8. The electrical adapter recited in claim 5:

wherein said inside AC connector is an IEC 320 (as of January 1, 2002) 20 amp receptacle; and

wherein said outside AC connector is an IEC 320 (as of January 1, 2002) 20 amp plug.

9. An enclosure comprising:

a chassis configured to hold at least one power supply; and

an electrical connector attached to said chassis allowing movement in at least one axis, including:

an inside AC connector including ground, hot, and neutral pins, configured to electrically connect to at least one of said power supplies;

an outside AC connector including ground, hot, and neutral slots, wherein said ground slot is electrically connected to said ground pin, said hot slot is electrically connected to said hot pin, and said neutral slot is electrically connected to said neutral pin; and

a ground wire electrically connected to said ground pin, said ground slot, and said chassis; and

a power supply contained within said enclosure and electrically connected to said inside AC connector.

10. The enclosure recited in claim 9, further comprising:

2 an EMI gasket surrounding said inside AC connector, configured to seal a
connection between said inside AC connector and said power supply.

4
11. The enclosure recited in claim 9:

2 wherein said inside AC connector is an IEC 320 20 amp plug; and
wherein said outside AC connector is an IEC 320 20 amp receptacle.

4
12. An enclosure comprising:

2 a chassis configured to hold at least one power supply;
an electrical connector attached to said chassis allowing movement in at least one
4 axis, including:

an inside AC connector including ground, hot, and neutral slots,
6 configured to electrically connect to at least one of said power supplies;
an outside AC connector including ground, hot, and neutral pins, wherein
8 said ground pin is electrically connected to said ground slot, said hot pin is
electrically connected to said hot slot, and said neutral pin is electrically
10 connected to said neutral slot; and

a ground wire electrically connected to said ground pin, said ground slot,
12 and said chassis; and
a power supply contained within said enclosure and electrically connected to said
14 inside AC connector.

13. The enclosure recited in claim 12, further comprising:

2 an EMI gasket surrounding said inside AC connector, configured to seal a
connection between said inside AC connector and said power supply.

1053762.01400
2024-07-25 10:53:07

4
17. The computer recited in claim 15:

2 wherein said inside AC connector is an IEC 320 (as of January 1, 2002) 20 amp
plug; and

4 wherein said outside AC connector is an IEC 320 (as of January 1, 2002) 20 amp
receptacle.

6
18. The computer recited in claim 15, further comprising:

2 a processor electrically connected to said power supply;

 a keyboard electrically connected to said processor;

4 a mouse electrically connected to said processor; and

 a display electrically connected to said processor.

6
19. A computer comprising:

2 an chassis configured to hold at least one power supply; and

 an electrical connector attached to said chassis allowing movement in at least one
4 axis, including:

 an inside AC connector including ground, hot, and neutral slots,

6 configured to electrically connect to at least one of said power supplies;

 an outside AC connector including ground, hot, and neutral pins, wherein

8 said ground pin is electrically connected to said ground slot, said hot pin is

 electrically connected to said hot slot, and said neutral pin is electrically

10 connected to said neutral slot; and

 a ground wire electrically connected to said ground pin, said ground slot,

12 and said chassis; and

14 a power supply contained within said chassis and electrically connected to said
inside AC connector.

20. The computer recited in claim 19, further comprising:

2 an EMI gasket surrounding said inside AC connector, configured to seal a
connection between said inside AC connector and said power supply.

21. The computer recited in claim 19:

2 wherein said inside AC connector is an IEC 320 (as of January 1, 2002) 20 amp
receptacle; and

4 wherein said outside AC connector is an IEC 320 (as of January 1, 2002) 20 amp
plug.

22. The computer recited in claim 19, further comprising:

2 a processor electrically connected to said power supply;

a keyboard electrically connected to said processor;

4 a mouse electrically connected to said processor; and

a display electrically connected to said processor.